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PATENT
Attorney Docket No. HOAG-790

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

MICHAEL DORSCHUG, et al.

Serial No.: 07/369,686

Filed: June 21, 1989

For: Mini-Proinsulin, its
Preparation and Use

#38
11/16/89
Group Art Unit: 185

Examiner: Not Yet Known

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

RECEIVED GROUP 180
NOV 14 1989

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, applicants bring to the attention of the Examiner the following references which the Examiner may consider to be material to the examination of the subject application.

1. R. Wetzel et al., Gene 16, pp 63-71 (1981).

This document, cited at page 1, line 10 of the above-captioned application, relates to the expression in Escherichia coli of a chemically synthesized gene for a "mini-C" analog of human proinsulin.

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2. EP-A 0,163,529.

This document, cited at page 1, line 16 of the above-captioned application, relates to insulin precursors, a process for their preparation and a process for preparing human insulin from such insulin precursors.

3. EP-A 0,055,945.

This document, cited at page 1, line 13 of the above-captioned application, relates to human proinsulin and analogs thereof, and a method of preparation by microbial polypeptide expression and conversion thereof to human insulin.

Copies of the foregoing references are submitted herewith along with PTO Form FB A820. Applicants respectfully request that the Examiner consider the enclosed references and evidence that consideration by making appropriate notations on the attached form. This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the enclosed documents constitute "prior art."

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If there are any fees due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER

By: Th L I
Thomas L. Irving
Reg. No. 28,619

Date: November 13, 1989